

## REMARKS

Applicants gratefully acknowledge allowance of claims 30 and 31 and the allowability of claim 12 if rewritten in independent form including all the limitations of the base claim and any intervening claims. The newly presented claim 32 is equivalent to allowable claim 12 rewritten in independent form including all the limitations of the base claim and intervening claims. As such, it is also allowable.

Applicants have cancelled claims 1-29 and 33 without prejudice or disclaimer.

New claims 34-51 have been added.

New Claim 34 corresponds to the canceled claim 2, and depends from the allowed claim 30.

New Claim 35 corresponds to the canceled claim 3, and depends from the allowed claim 30.

New Claim 36 corresponds to the canceled claim 4, and depends from the allowed claim 30.

New Claim 37 corresponds to the canceled claim 6, and depends from the allowed claim 30.

New Claim 38 corresponds to the canceled claim 7, and depends from the allowed claim 30.

New Claim 39 corresponds to the canceled claim 8, and depends from the allowed claim 38.

New Claims 34-39 are allowable by virtue of their dependence from the allowed claim 30.

New Claim 40 corresponds to the canceled claim 14, written in independent form, and including the limitation of: "wherein said organic molecular species comprises (tridecafluoro-1,1,2,2-tetrahydrooctyl)trichlorosilane," which distinguishes this claim over the cited art and, as such, is allowable.

New Claim 40 is related to the allowed claim 30 with the exception that, instead of using a stamp, the self-assembled monolayer is prepared by a process comprising the steps of:

"contacting said substrate and a solution comprising an organic molecular species having a head functional group capable of interacting with said surface of said substrate, and a tail group for chemical differentiation, said contacting being at a temperature and for a length of time sufficient to bind said functional head groups to said surface of said substrate; and exposing said self-assembled molecular monolayer to radiation modulated spatially in intensity with a mask having one or more regions transparent to radiation to chemically modify said self-assembled molecular monolayer in a chemically distinct pattern defined by said transparent regions of said mask."

New Claim 41 corresponds to the canceled claim 15, and depends from the allowable claim 40.

New Claim 42 corresponds to the canceled claim 16, and depends from the allowable claim 40.

New Claim 43 corresponds to the canceled claim 17, and depends from the allowable claim 40.

New Claim 44 corresponds to the canceled claim 22, and depends from the allowable claim 40.

New Claims 41-44 are allowable by virtue of their dependence from the allowed claim 40.

New Claim 45 corresponds to the canceled claim 23, and depends from the allowable claim 44 and, as such, is also allowable.

New Claim 46 corresponds to the canceled claim 24, and depends from the allowable claim 45.

New Claim 47 corresponds to the canceled claim 25, and depends from the allowable claim 45.

New Claim 48 corresponds to the canceled claim 26, and depends from the allowable claim 45.

New Claim 49 corresponds to the canceled claim 27, and depends from the allowable claim 45.

New Claim 50 corresponds to the canceled claim 28, and depends from the allowable claim 45.

New Claim 51 corresponds to the canceled claim 29, and depends from the allowable claim 45.

New Claims 46-51 are allowable by virtue of their dependence from the allowable claim 45.

Thus, the rejection of claims 1-29 (now canceled), 32 (currently amended to delete the "new matter") and 33 (now canceled) is moot and claims 30-32 and 34-51 are allowable.

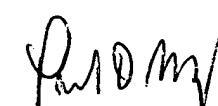
Accordingly, Applicants request reconsideration, withdrawal of the rejections (1) under 35 U.S.C. §112, first paragraph, (2) under 35 U.S.C. §102(b) as being anticipated by Kumar et al., (3) under 35 U.S.C. § 103(a) as being obvious over Kumar et al., and (4) under 35 U.S.C. § 103(a) as being obvious over Kumar et al. in view of U.S. Patent No. 6,020,047 to Everhart and U.S. Patent No. 5,059,258 to Wefers et al. and allowance of all pending claims, including the currently amended claim 32 and the newly presented claims 34-51, in addition to the allowed claims 30 and 31.

Accordingly, an early indication of the allowability of all pending claims by issuance of a Notice of Allowability is earnestly solicited.

Respectfully submitted,

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